

# Nephrology Update 2008

*Featuring a Cardio-Renal Summit preceding our annual  
Nephrology Update*

October 4-7, 2008  
Ritz Carlton | Cleveland, Ohio

REGISTER TODAY [www.ccfcmec.org/neph08](http://www.ccfcmec.org/neph08)



# Nephrology Update 2008

## Description

An outstanding faculty will present state-of-the-art lectures on renal pathophysiology, acute and chronic renal failure, renal bone disease, glomerular diseases, clinical and ICU nephrology, and hypertension in a stimulating and comprehensive manner. New developments and controversial issues in acute renal failure, ICU nephrology, clinical renal disease, hemodialysis, transplantation, vascular access, and hypertension will be emphasized. In-depth problem-solving sessions relating to fluid, electrolyte, and acid-base disturbances, kidney stones, management of dialysis and transplant patients, endocrine hypertension and renovascular disease, and the diagnosis and management of patients with cardio-renal syndromes will be available. Audience-faculty interactive forums will address renal pathology, problems with dialysis access, clinical trials in nephrology and hypertension, and refractory glomerular diseases. Controversial issues in the practice of nephrology will be emphasized.

## Target Audience

The symposium is designed for nephrologists, cardiologists, internists, and other healthcare practitioners who desire an intensive update on pathogenesis and treatment of kidney diseases, hypertension, fluid and electrolyte disorders, acid-base disturbances, end-stage renal failure, critical care nephrology, cardio-renal disease, and related conditions.

## Objectives

After completing this activity, the participant will be able to do the following:

- Summarize renal pathophysiology, acute and chronic renal failure, renal bone disease, glomerular diseases, clinical and ICU nephrology, and hypertension;
- Describe the clinical impact of new developments in acute renal failure, ICU nephrology, clinical renal disease, hemodialysis, transplantation, vascular access, and hypertension;
- Assess management issues associated with fluid, electrolyte, and acid-base disturbances, kidney stones, dialysis and transplant patients, endocrine hypertension and renovascular disease, and cardio-renal syndromes;
- Discuss specific case-based strategies for addressing renal pathology, problems with dialysis access, clinical trials in nephrology and hypertension, and refractory glomerular diseases.

## New This Year

- CD ROM of final presentations
- Reduced parking rates
- Free wireless connection in Ballroom Foyer

## COURSE CO-DIRECTORS

**Robert J. Heyka, MD**  
Staff, Department of Nephrology  
& Hypertension  
Glickman Urological & Kidney Institute  
Cleveland Clinic

**Brian R. Stephany, MD**  
Associate Staff, Department of  
Nephrology & Hypertension  
Glickman Urological & Kidney Institute  
Transplantation Center  
Cleveland Clinic

## GUEST FACULTY

**Rajiv Agarwal, MD**  
Professor of Medicine  
Division of Nephrology  
Department of Medicine  
Indiana University School  
of Medicine  
Indianapolis, Indiana

**Zalman S. Agus, MD**  
Associate Dean, CME  
Professor Emeritus of Medicine  
University of Pennsylvania School  
of Medicine  
Philadelphia, Pennsylvania

**Gerald B. Appel, MD**  
Professor of Clinical Medicine  
Columbia University College of  
Physicians & Surgeons  
Director of Clinical Nephrology  
Columbia University  
Medical Center  
New York, New York

**Connie Davis, MD**  
Professor of Medicine  
Division of Nephrology  
Department of Medicine  
Director, Kidney Care Line  
Medical Director, Kidney-Pancreas  
Transplantation  
University of Washington  
Seattle, Washington

**Richard J. Glasscock, MD,  
MACP**  
Professor Emeritus  
The David Geffen School of  
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Los Angeles, California

**Jean Holley, MD**  
Clinical Professor of Medicine  
Department of Medicine  
University of Illinois  
Urbana-Champaign, Illinois

**J. Charles Jennette, MD**  
Brinkhous Distinguished Professor  
Chair of Pathology and  
Laboratory Medicine  
Executive Director, UNC  
Nephropathology Laboratory  
Associate Director, UNC  
Kidney Center  
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Chapel Hill, North Carolina

**John Kellum, MD**  
Professor of Critical Care Medicine  
Vice Chair for Research  
Department of Critical Care Medicine  
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# faculty

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University of Toronto  
Medical Director Home  
Dialysis Program  
St. Michael's Hospital  
Toronto, Ontario, Canada

**Jesse Schold, PhD**  
Assistant Professor of Medicine  
Department of Health Services  
Research, Management  
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Gainesville, Florida

**Robert W. Schrier**  
Professor of Medicine  
University of Colorado Denver  
Denver, Colorado  
Editor, *Nature Clinical  
Practice Nephrology*

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**Robin Avery, MD**  
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Infectious Disease  
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Transplantation Center  
Surgery Institute

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Transplantation Center  
Surgery Institute

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Transplantation Center  
Surgery Institute

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Department of Bioethics

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Kidney Institute  
Transplantation Center  
Surgery Institute

# Cardio-Renal Summit

October 4, 2008

## About the Summit

The inaugural Cardio-Renal Summit is an interdisciplinary collaboration aiming to address the increasing challenges and concepts facing nephrologists and cardiologists. The goal is to provide a scientific forum to discuss the latest developments and future directions in pathophysiology, diagnosis, and management of concomitant cardiac and renal insufficiency.

## Objectives

After completing this activity, the participant will be able to do the following:

- Define our current understanding of the pathophysiology of the cardio-renal syndrome.
- Discuss the approaches to diagnosis and utilization of newer cardiac and renal markers to identify patients with cardio-renal syndrome.
- Examine both the standard therapeutic approaches and innovative treatment options for the cardio-renal syndrome patient.
- Review future areas of research in the cardio-renal syndrome.

## Target Audience

This Summit is designed for cardiologists, nephrologists, and healthcare practitioners with an interest in cardio-renal disease.

# faculty

## SUMMIT CO-DIRECTORS

**Martin J. Schreiber, Jr, MD**  
Chairman  
Department of Nephrology & Hypertension  
Glickman Urological & Kidney Institute

**W.H. Wilson Tang, MD**  
Department of Cardiovascular Medicine  
Heart & Vascular Institute

## GUEST FACULTY

**John C. Burnett, Jr, MD**  
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**Emilio D. Poggio, MD**  
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**Marc A. Pohl, MD**  
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Section Head, Clinical Nephrology & Hypertension  
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**Randall Starling, MD, MPH**  
Section Head  
Heart Failure & Cardiac Transplant  
Vice Chair for Clinical Operations  
Department of Cardiovascular Medicine  
Heart & Vascular Institute

**David Taylor, MD**  
Department of Cardiovascular Medicine  
Heart & Vascular Institute

# agenda

**Saturday, October 4, 2008**

**7:00 am Registration/Continental Breakfast/Exhibits**  
*Ballroom Assembly Area*

**8:00 am Welcome and Introduction**  
*Martin J. Schreiber, Jr, MD*  
*W.H. Wilson Tang, MD*

## **SESSION 1: PATHOPHYSIOLOGY**

**Moderators:** *Marc A. Pohl, MD*  
*Randall Starling, MD, MPH*

**8:15 am "Reno-Cardiac" Syndrome: Auto-regulation, Autonomic Control, and Filtration**  
*Robert W. Schrier, MD*

**8:45 am "Cardio-Renal" Syndrome: Hemodynamics and Neurohormones**  
*John C. Burnett, Jr, MD*

**9:15 am Panel Discussion: What Are the Organ-to-Organ Cross Talks?**

**10:00 am Refreshment Break/Exhibits**

## **SESSION 2: DIAGNOSTICS**

**Moderators:** *Emilio D. Poggio, MD*  
*David Taylor, MD*

**10:15 am Blood Biomarkers and Hemodynamic Measurements**  
*W.H. Wilson Tang, MD*

**10:45 am Urinary Biomarkers and Renal Physiologic Measurements**  
*Chirag R. Parikh, MD, PhD*

**11:15 am Panel Discussion: How Should Diagnostics Be Incorporated?**

**12:15 pm Lunch Break**

## **SESSION 3: THERAPEUTICS**

**Moderators:** *Emil Paganini, MD*  
*Martin J. Schreiber, Jr, MD*  
*Robert Hobbs, MD*

**1:00 pm New Approaches to Salt and Water Removal in Heart Failure:  
From Vasopressin Antagonist to Ultrafiltration**  
*Steven Goldsmith, MD*

**1:30 pm New Approaches to Renal Preservation in Heart Failure:  
From Adenosine Antagonists to Novel Devices**  
*Stephen S. Gottlieb, MD*

**2:00 pm Renal Replacement Strategies: From Dialysis to Bioartificial Organ Replacement**  
*William Fissell, MD*

**2:30 pm Panel Discussion:  
How to Incorporate New Therapeutics into Current Practice?**

**3:00 pm Refreshment Break/Exhibits**

**3:15 pm Case Discussions**  
(Audience will be divided into two groups and faculty will rotate to each session)

### **Acute In-patient Management Cases**

**Moderators:** *Sevag Demirijan, MD*  
*W.H. Wilson Tang, MD*

### **Chronic Out-patient Management Cases**

**Moderators:** *Martin J. Schreiber Jr., MD*  
*David Taylor, MD*

**5:15 pm Adjourn**

## Sunday, October 5, 2008

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| <p><b>7:30 am</b> Registration/Continental Breakfast/Exhibits<br/><i>Ballroom Assembly Area</i></p> <p><b>8:00 am</b> Welcome<br/><i>Brian R. Stephany, MD</i></p> <p><b>Presiding: Brian R. Stephany, MD</b></p> <p><b>8:05 am</b> K/DOQI-CKD - Myths and Truths<br/><i>Richard J. Glassock, MD, MACP</i></p> <p><b>8:50 am</b> Updates from the DOPPS<br/><i>Rachel Fissell, MD</i></p> <p><b>9:35 am</b> Ambulatory Blood Pressure Monitoring in the General Population<br/><i>Mohammed Rafey, MD, MS</i></p> <p><b>10:10 am</b> Refreshment Break/Exhibits</p> <p><b>10:20 am</b> Kasperzak Lecture: Renal and Cardiovascular Complications in Type 2 Diabetes Mellitus: Role of Blood Glucose, Renin-Angiotensin System and Blood Pressure<br/><i>Robert W. Schrier, MD</i></p> | <p><b>11:20 am</b> Biopsy Cases<br/><b>Moderator:</b><br/><i>Marc A. Pohl, MD</i><br/><b>Pathologist:</b><br/><i>J. Charles Jennette, MD</i><br/><b>Panel:</b><br/><i>Gerald B. Appel, MD</i><br/><i>Richard J. Glassock, MD, MACP</i></p> <p><b>12:15 pm</b> Question and Answer Period</p> <p><b>12:30 pm</b> Lunch Break</p> <p><b>Presiding: Robert J. Heyka, MD</b></p> <p><b>1:30 pm</b> Renal Involvement by Systemic Vasculitides: Clinical and Pathologic Diagnostic Features, and Nosology<br/><i>J. Charles Jennette, MD</i></p> <p><b>2:15 pm</b> FSGS<br/><i>Gerald B. Appel, MD</i></p> <p><b>3:00 pm</b> What is Hypertension in Hemodialysis Patients? Using Ambulatory BP Monitoring for Diagnosis<br/><i>Rajiv Agarwal, MD</i></p> | <p><b>3:45 pm</b> Infectious Disease Considerations in Kidney Transplant Recipients - What the General Nephrologist Needs to Know<br/><i>Robin Avery, MD</i></p> <p><b>4:30 pm</b> Question and Answer Period</p> <p><b>4:45 pm</b> Reception</p> <p><b>5:15 pm</b> Workshops</p> <p><b>A. Difficult Cases in Transplantation</b><br/><i>William E. Braun, MD</i><br/><i>Brian R. Stephany, MD</i><br/><i>Richard Fatica, MD</i></p> <p><b>B. Hypertension in ESRD Patients</b><br/><i>Rajiv Agarwal, MD</i><br/><i>Robert J. Heyka, MD</i></p> <p><b>6:15 pm</b> Adjourn</p> |
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## Monday, October 6, 2008

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| <p><b>7:30 am</b> Continental Breakfast/Exhibits</p> <p><b>Presiding: Marc A. Pohl, MD</b></p> <p><b>8:00 am</b> IGA Nephropathy<br/><i>Gerald B. Appel, MD</i></p> <p><b>8:45 am</b> Surgical Treatment of Stone Disease: Where We Are in 2008?<br/><i>Mihir Desai, MD</i></p> <p><b>9:30 am</b> Refreshment Break/Exhibits</p> <p><b>9:45 am</b> Clinical Pathologic Conference<br/><i>J. Charles Jennette, MD</i><br/><i>Richard J. Glassock, MD, MACP</i></p> <p><b>11:00 am</b> Cases in Acid-Base and Electrolyte Disturbances<br/><i>Zalman S. Agus, MD</i></p> <p><b>12:00 pm</b> Question and Answer Period</p> <p><b>12:10 pm</b> Update on Iron Metabolism in Health and Disease<br/><i>Saul Nurko, MD</i></p> <p><b>1:00 pm</b> Lunch Break</p> | <p><b>Presiding: Martin J. Schreiber, Jr, MD</b></p> <p><b>2:00 pm</b> General Medical Care for ESRD Patients<br/><i>Jean Holley, MD</i></p> <p><b>2:45 pm</b> Home Hemodialysis<br/><i>Phil McFarlane, MD, PhD</i></p> <p><b>3:30 pm</b> ATN Trial<br/><i>John Kellum, MD</i></p> <p><b>4:15 pm</b> Hypomagnesemia: Clinical Manifestations, Diagnosis and Management<br/><i>Zalman S. Agus, MD</i></p> <p><b>5:00 pm</b> Refreshment Break/Exhibits</p> <p><b>5:15 pm</b> Workshops</p> <p><b>C. Ethical Dilemmas and Decisions in CKD/ESRD</b><br/><i>Jean Holley, MD</i><br/><i>Martin L. Smith, STD</i><br/><i>Martin J. Schreiber, Jr, MD</i></p> <p><b>D. Running a CKD/EPO Clinic</b><br/><i>James Simon, MD</i><br/><i>Jennifer Lyons, CNP</i></p> <p><b>6:15 pm</b> Adjourn</p> |
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## Tuesday, October 7, 2008

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| <p><b>7:30 am</b> Continental Breakfast/Exhibits</p> <p><b>Presiding: Brian R. Stephany, MD</b></p> <p><b>8:00 am</b> Cardiac Outcomes in Waitlisted Patients<br/><i>Connie Davis, MD</i></p> <p><b>8:45 am</b> Epidemiology of AKI in Sepsis<br/><i>John Kellum, MD</i></p> <p><b>9:30 am</b> New Insights in Hyponatremia<br/><i>Joseph V. Nally, Jr, MD</i></p> <p><b>10:15 am</b> Question and Answer Period</p> <p><b>10:20 am</b> Refreshment Break/Exhibits</p> <p><b>10:30 am</b> Health Care Disparities in ESRD<br/><i>Jesse Schold, PhD</i></p> <p><b>11:15 am</b> Microalbuminuria: Quo Vadis?<br/><i>Richard J. Glassock, MD, MACP</i></p> <p><b>12:00 pm</b> Question and Answer Period</p> | <p><b>12:15 pm</b> Lunch Break</p> <p><b>Presiding: Richard Fatica, MD</b></p> <p><b>1:30 pm</b> Implications for the New Kidney Transplant Allocation System<br/><i>Jesse Schold, PhD</i></p> <p><b>2:15 pm</b> Living Donor Evaluation<br/><i>Connie Davis, MD</i></p> <p><b>3:00 pm</b> Immunosuppression Minimization in Kidney Transplantation: Lessons Learned<br/><i>Titte Srinivas, MD</i></p> <p><b>3:45 pm</b> Current Perspectives in the Diagnosis and Management of Pheochromocytoma<br/><i>Emmanuel L. Bravo, MD</i></p> <p><b>4:30 pm</b> Question and Answer Period</p> <p><b>4:35 pm</b> Adjourn</p> |
|---|---|

# general information

## Location

The Ritz Carlton Hotel  
1515 West Third Street  
Cleveland, OH 44113  
Phone: 216-623-1300  
Fax: 216-623-1491

## Hotel Accommodations

A block of rooms has been reserved at the Ritz Carlton Hotel until **September 15, 2008**. To make your reservations, contact the Hotel's Reservations Department at 216-623-1300. Please identify yourself as being with the **Cleveland Clinic Nephrology Update 2008**, for a special rate of \$199.00 single/double plus tax.

## Ground Transportation

Taxi service is available from Cleveland Hopkins International Airport to the Ritz Carlton Hotel. As an alternative, take the rapid transit train from the airport to the Terminal Tower in downtown Cleveland. The Ritz Carlton Hotel is in the Terminal Tower.

## Information

For further information about this symposium, contact UNITECH Communications® at:

**Local:** 216-448-0770

**Toll Free:** 800-238-6750

**Web Address:** [www.ccfcm.org/neph08](http://www.ccfcm.org/neph08)

For questions about registering online, call 216/448-0777.

## Americans with Disabilities Act

The Cleveland Clinic Foundation Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify us at least two weeks prior to the activity.

## Accreditation

The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates this educational activity for a maximum of 32.5 *AMA PRA Category 1 Credits*™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

This activity may be submitted for American Osteopathic Association Continuing Medical Education credit in Category 2.

## Faculty Disclosure

The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.

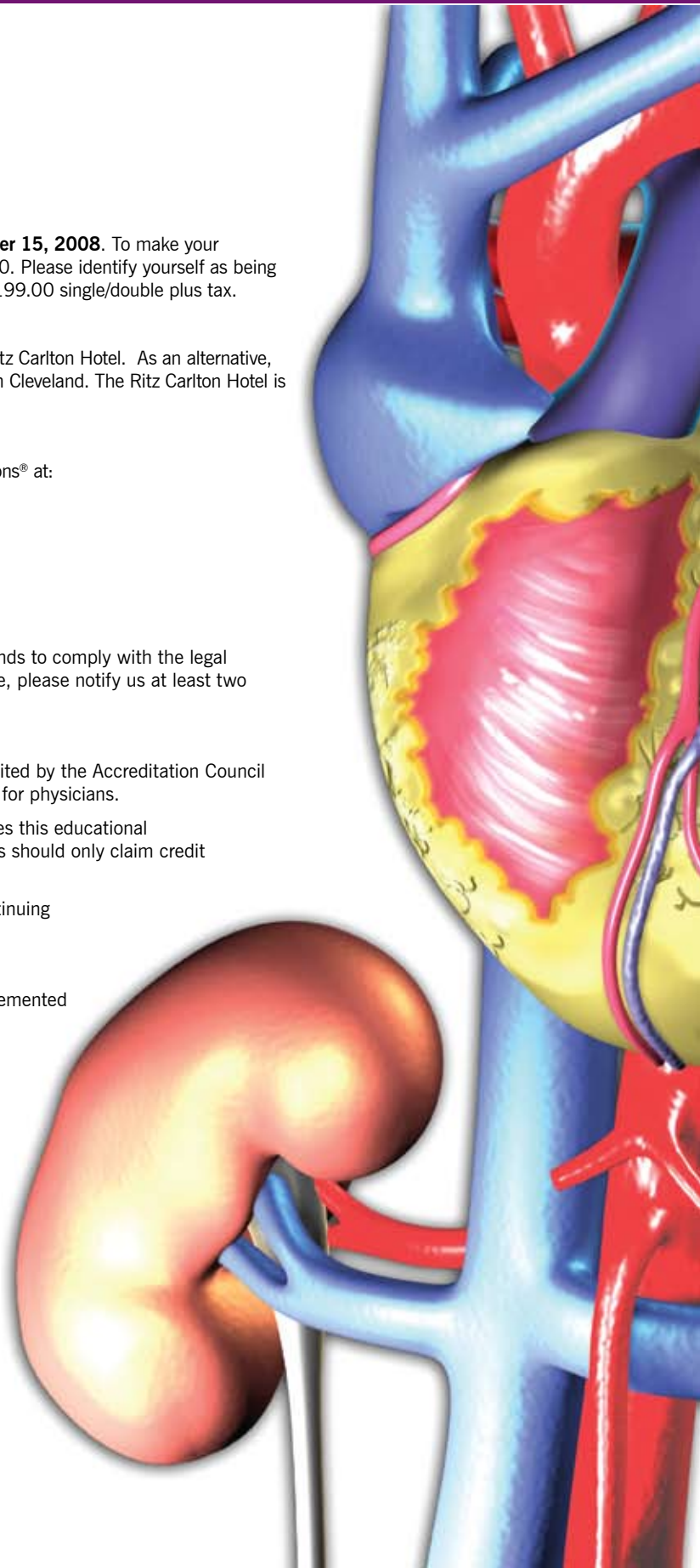
## Registration and Cancellation

Pre-registrations are accepted by fax or online until 4:00 pm ET **October 1, 2008**. To register after this date you must do so on-site. In case of cancellation, a full refund will be made if canceled by September 24, 2008. After September 24, 2008, a \$50 cancellation fee will be deducted from your refund. Written notification of your cancellation is required in order to process your refund. **NO REFUNDS WILL BE ISSUED AFTER NOVEMBER 30, 2008.**

## Parking

Valet parking is available at the hotel for a charge of \$10.00 per day (reduced rate). Overnight parking is available for \$18.00 per day.

Tower City parking is \$6.00 per day if you enter before 10:00 am. After 10:00 am on weekdays, cost is \$11.00 for entire day. Weekend cost for the day is \$6.00.



# registration form

## Nephrology Update 2008

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### FEES

Full fee includes syllabus, continental breakfast, refreshment breaks, and welcome reception.

	Full Symposium October 4-7, 2008	Saturday October 4, 2008	Sunday - Tuesday October 5-7, 2008
<input type="radio"/> Physician	\$799	\$175	\$699
<input type="radio"/> Comprecare Affiliate Member (ID# _____)	\$519	\$114	\$454
<input type="radio"/> Cleveland Clinic Alumnus	\$479	\$105	\$419
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\*Letter from program director must be received in our office prior to the symposium to receive this fee

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GO TO [www.ccfcmc.org/neph08](http://www.ccfcmc.org/neph08)

Once you register online, please do not mail or fax in a registration form.

**CCF main campus, family health centers, and CCHS community hospital employees (physicians and non-physicians) should register at the above web address.**

### PLEASE PRINT

Complete the information below if registering by mail or fax:

First Name: \_\_\_\_\_ MI: \_\_\_\_\_

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I would like to purchase a CD ROM of the final presentations. An additional \$40.00 is enclosed.

I will attend the reception  I will require vegetarian meals

#### WORKSHOP SIGN-UP

Please indicate your choice

Sunday Workshop Choice:  A or  B

Monday Workshop Choice:  C or  D

Total amount enclosed or to be charged \$ \_\_\_\_\_

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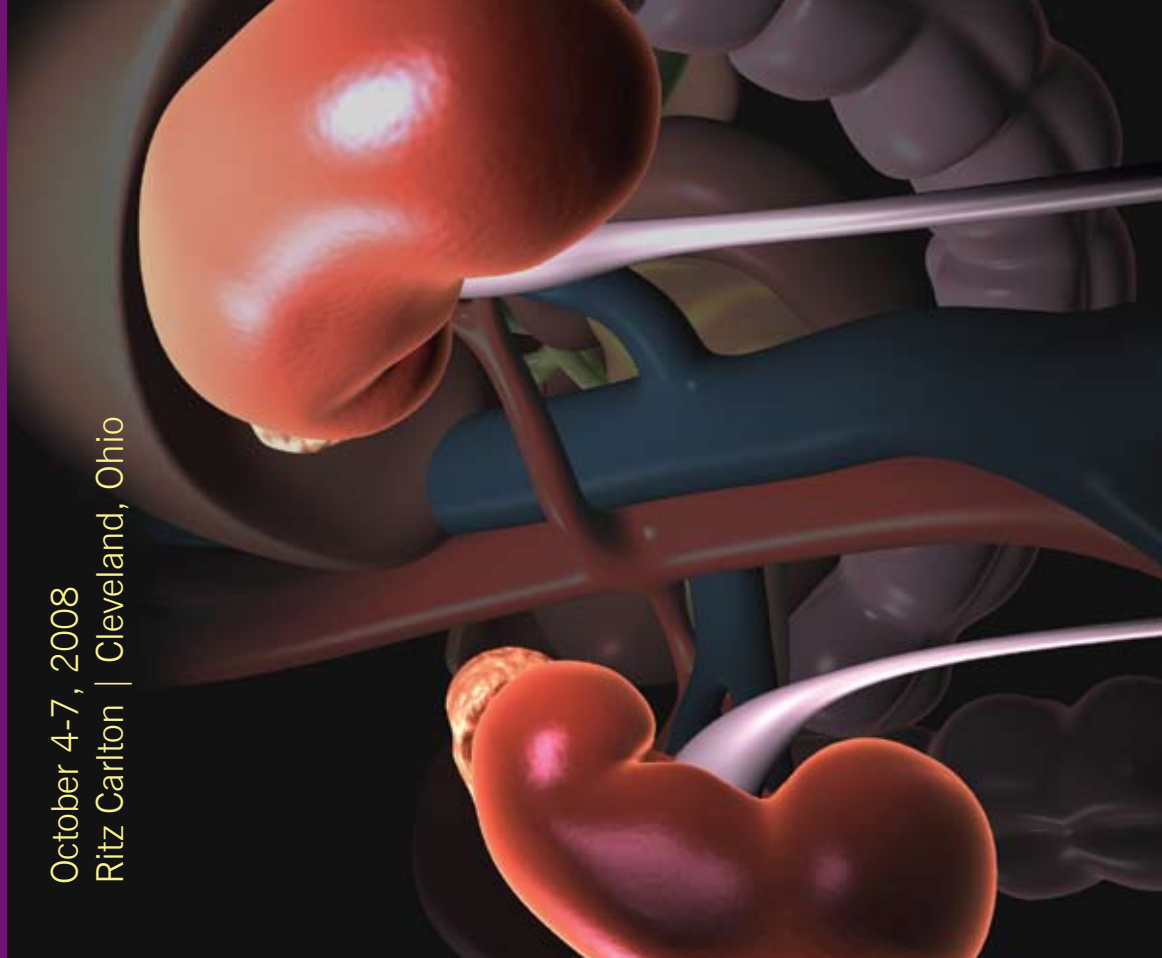
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# Nephrology Update 2008

*Featuring a Cardio-Renal Summit preceding our annual  
Nephrology Update*

October 4-7, 2008  
Ritz Carlton | Cleveland, Ohio



**Cleveland Clinic**

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